

**FOREST HEALTH PROTECTION
INTERNATIONAL ACTIVITIES
ACCOMPLISHMENT REPORT FOR FISCAL YEAR 2004**

**Prepared by the
Forest Health Protection International Activities Team**

May 2005



FOREST HEALTH PROTECTION INTERNATIONAL ACTIVITIES FOR FISCAL YEAR 2004

Summary

This report is a consolidation of all the Forest Health Protection international activities in FY2004. Funding for these activities comes from a variety of sources including FHP staff units and FHP International Activity Team (IAT) funds, USDA Forest Service International Programs (IP), USAID, UN/FAO, and support from hosting countries.

During fiscal year 2004, Forest Health Protection (FHP) specialists were involved in approximately 49 activities with 21 countries. These activities included, providing technical assistance and training, cooperating in studies, gathering information on pest risk assessments, giving presentations and participating in international meetings. There are four FHP International Activity Goals list in the 2004-2005 Program of Work. Emphasis Areas (*EA's*) for 2004 addressed the Goals for protecting United States forests from exotic pests and strengthening and developing relationships. The Emphasis Areas for 2004 were:

- 1) Continue to coordinate with, develop relationships, and provide assistance to Mexico, especially in areas of common interest that will strengthen our mutual forest health protection programs;
- 2) Work with International Programs to continue to develop relations and expertise in the Asian/Pacific Rim;
- 3) Facilitate sharing FHP technologies with other countries, and
- 4) Continue to emphasize professional development and expertise for Forest Health Protection staff in the international arena.

Activities which directly relate to particular Emphasis Areas are identified in the attached Table by the description of the activity (*EAI*, *EA2*, etc.).

Emphasis Area 1, cooperation and assistance with Mexico, addresses Goals 2 (North American countries have strong pest management programs), and 4 (technical expertise is shared worldwide). The primary activities with Mexico this year included collaborative work between CONAFOR and FHP on bark beetle impacts on pinyon pine ecosystems, a cooperative roundheaded pine beetle semiochemical project, development of a cooperative program to assess populations of engraver and pinyon ips in the Baja Peninsula, and aerial survey assistance and training. FHP and Rocky Mountain Research Station personnel also participated in the logistics and coordination for the joint meeting of the XII Simposio Nacional De Parasitologia Forestal and 54th Western Forest Insect Work Conference which was held in November 2004. .

Activities in the Asian /Pacific Rim (Emphasis Area 2) included participation in the Asia/Pacific Forestry Council, coordination with International Programs and the Regional

Office of UN/FAO to establish an invasive species coordinator position in Asia, and monetary assistance for the Beijing Quarantine Laboratory. Technology transfer included assistance with the *Oracella* biological control project, a Sudden Oak Death source trip, cooperative white pine blister rust activities, and a EXFOR risk assessment team in China; spray technology assistance to Mongolia and China; coordination on spray technology with new Zealand; and technical assistance with management of mangrove forests, and strategic management of invasive species for Pacific Island countries. A significant accomplishment in FY2004, was the APHIS and FS coordination for a working relationship and agreement with Japan, to begin Asian gypsy moth trapping and inspections in high risk Japanese ports. The USDA FS/APHIS Import Wood Risk Assessment Team completed and published its assessment of pests in Eucalyptus from Australia.

The attached table summarizes the primary FHP international activities in FY 2004 by country or geographic region. Source of funding and participation are listed in order to show the cooperation and participation that goes to support FHP international activities.

Additional information can be obtained either through the IAT or the regional FHP international activity coordinators listed below.

IAT – Dayle Bennett, Kerry Britton, Iral Ragenovich, Noel Schneeberger, Denny Ward

Regional FHP Coordinators:

WO and FHTET – Kerry Britton

R1 and R4 – Dayle Bennett

R2 – Tom Eager

R3 – Douglas Parker

R5 – John Kliejunas

R6 – Iral Ragenovich

R8 – Denny Ward

R10 – Cynthia Snyder

NA – Noel Schneeberger

2004 FHP International Activities

COUNTRY	ACTIVITIES	TECHNICAL SPECIALIST(S)	FUNDING SOURCE
ARMENIA	Provide technical assistance in developing a Forest Pest Management Strategy in conjunction with World Bank – technical assistance and professional development <i>EA 3&4</i>	Hertel (NA ret) Snyder (R10)	IAT, FHP
AUSTRALIA	Participate as members of USDA FS/APHIS Import Wood Risk Assessment and Mitigation Evaluation Team on Eucalyptus Risk Assessment including scientists from APHIS, and FS Research – publish Eucalyptus Risk Assessment (Nov. 2003)	DeNitto and company	FHP
BRAZIL	Attend meeting and present pros and cons for remote sensing options in forest monitoring (October, 2003) <i>EA 3</i>	Johnson (R2) Rhea (R8)	FHTET, FHP, IAT
CANADA	<p>1. Attend Mountain Pine Beetle Symposium and Canadian Entomological Society meeting in Kelowna BC (October 2003)</p> <p>2. Continue cooperative agreement with Canadian Forest Service , PFC for rearing the DFTM Goose Lake strain</p> <p>3. Continue cooperative study with Univ. of Northern B.C. and R10 on Tomentosus root disease incidence –</p> <p>4. Continue with 2nd year of a 3 year biological control project against amber-marked birch leaf miner in south-central and interior Alaska in cooperation with the Canadian Forest Service and the University of Alberta (Edmonton).</p> <p>5. Attend Spray Efficacy Research Group (SERG) meeting in Alberta (Feb. 04)</p>	<p>Various regions</p> <p>Reardon (FHTET) Ragenovich (R6)</p> <p>Trummer (R10)</p> <p>Reardon (FHTET) Holsten (R10)</p> <p>Thistle (FHTET)</p>	<p>FHP</p> <p>FHTET, FHP</p> <p>FHP</p> <p>FHTET, FHP</p> <p>FHTET</p>

CENTRAL AMERICAN COUNTRIES	1. Participate and help coordinate a UN/FAO tour for five national pest coordinators from Central America (Belize, Guatemala, El Salvador, Honduras, and Nicaragua)	Clarke, Nettleton (R8), Texas Forest Service, Southern Research Station, and NF RD's.	FHP
	2. Continue to serve as international consultant for UNFAO on bark beetle infestation to evaluate extent of outbreak and provide recommendations on procedures, technologies, coordination and training on bark beetle management Nicaragua, El Salvador, and Guatemala (Nov. 2003) and attend final project closeout meeting in Nicaragua. <i>EA 3</i>	Clarke (R8)	UN/FAO, FHP
	3. Help develop and install data on INAFOR GIS project for pine reforestation in areas that have experienced southern pine beetle damage in Nicaragua in order to establish priorities for restoration in watersheds. <i>EA3</i>	Dull (WO), Ward (R8)	USAID, FHP
	4. Assist Nicaraguan forest entomologists (Universidad Nacional Agraria) in developing and planning a forest insect work conference for Central America.	Ward (R8)	FHP

CHINA	<p>1. Continue to serve on Forest Service/China coordination Team Bullard <i>EA 2</i></p> <p>2. Provide assistance on FHTET <i>Oracella</i> Biological control project in Guangzhou – April 2003- <i>EA 2&3</i></p> <p>3. Meet with cooperators on white pine blister rust project – September, 2004 <i>EA 2&3</i></p> <p>4. Provide monetary assistance to the Beijing Quarantine Lab and begin to identify opportunities for staffing <i>EA 2</i></p> <p>5. Participate in EXFOR Pest Risk Assessment Team to identify contacts and organisms that could be assessed (May) <i>EA 2&4</i></p> <p>6. Provide spray technology assistance for control of Siberian moth in China and Mongolia (June) <i>EA 2&3</i></p> <p>7. Conduct <i>Phytophthora ramorum</i> source trip to China (August) <i>EA 2</i></p>	<p>Bullard (FHTET)</p> <p>Clarke (R8)</p> <p>Snieszko (R6)</p> <p>Beatty (WO)</p> <p>Wu Yun (FHTET), O'Brien (NA), Mehmel (R6), 2 research, TBA, G. Fowler, APHIS</p> <p>Ghent (R8) A. Onken (NA)</p> <p>Kubisiak (SO) Juzwik (NE) E.Goheen (R6)</p>	<p>FHP, FHTET</p> <p>FHP, FHTET</p> <p>IAT</p> <p>FHP</p> <p>FHP, IP, IAT, Research and APHIS</p> <p>FHP, IAT</p> <p>IP, FHP</p>
EGYPT	Serve on Board and attend meeting of Congress of Policy Economists. Cairo, Egypt (July)	Lewis (WO)	FHP

ENGLAND-UNITED KINGDOM	1. Co-host Ben Bradshaw, Minister of Nature Conservation and Fisheries in the United Kingdom, and Dr. Steven Hunter, Director of Plant Health for UK Department of the Environment, Food and Rural Affairs in Brookings, OR at SOD eradication sites on private land	Frankel (R5) E. Goheen (R6)	FHP
	2. Technical visit to the UK to observe SOD and treatment at sites in Southern England	E. Goheen (R6)	FHP
EUROPEAN UNION	1. Along with Terry Shaw, serve as US contact to European Working Group on developing a pest risk assessment for <i>Phytophthora ramorum</i> – attend meetings in Europe (Feb)	E. Goheen	FHP
	2. Host a tour of SOD and <i>P. ramorum</i> in nurseries for approximately 12 visitors from Europe (primarily UK and Neatherlands) followed by participation in CA oak mortality task force meeting in Petaluma, CA. (March)	S. Frankel (R5)	FHP
GERMANY	1. Present paper and attend workshop on Phytophthoras of Forest Trees (IUFRO) Friesing, Germany and Innsbruck, Austria	Frankel (R5), E. Goheen (R6), D. Goheen (R6), Britton (WO) Oak (R8)	FHP
	2. Visit with cooperator at institute of forest genetics and forest tree breeding to discuss cooperative project on white pine blister rust resistance <i>EA 3</i>	Sneizko (R6)	IAT, FHP
JAPAN	Participate with APHIS on a team to help develop a cooperative working relationship and agreement with Japan to do gypsy moth trapping and inspections in high risk ports.	Levy, Mastro, Fussell (APHIS) Munson (R4)	APHIS FHP

MEXICO	<p>1. Help coordinate and attend joint 54th Western Forest Insect Work Conference and 12th Symposium on Forest Health of Mexico, Guadalajara, MX– November 2003.</p> <p>2. Conduct aerial survey assistance and training EA 1&3</p> <p style="padding-left: 40px;">a. Provide training to two Mexican observers in U.S. (August)</p> <p style="padding-left: 40px;">b. Conduct ground surveys and assist in aerial detection survey of forested areas in Baja, northern, MX to provide first time final product and provide training on how to fly the area. Will coordinate with McMillin and company. (August and Sept.)</p> <p>3. Coordinate bark beetle research on development of effective semiochemicals for management of scolytid pests in Mexico EA 1&3</p> <p>4. Collaborative work between FHP and Mexico CONAFOR on bark beetle impacts on pinyon pine ecosystems EA 1</p> <p>5. Meet with CONAFOR entomologists in Mexico to develop a cooperative program of work to assess populations of pine engraver and pinyon ips in the Baja peninsula – assess pheromone preference EA 1&3</p> <p>6. Coordinate with Mexican Forest and CONAFOR to initiate a Forest Health Monitoring Program –. EA 1</p> <p>7. Attend NAPPO meeting on Nursery stock. EA 1</p> <p>8. Continue to administer grant and provide technical assistance for Oak Decline monitoring project EA 1</p>	<p>Joel McMillin (R3), Jose Negron (RM), Steed (R4) various Regions</p> <p>McConnell (FHTET) and Johnson (R2)</p> <p>McConnell (FHTET)</p> <p>Gillette (PSW) Stein (FHTET)</p> <p>McMillin(R3), Eager(R2), and Smith(R5)</p> <p>Steed (R4)</p> <p>Tzack(WO)</p> <p>Hofacker (WO)</p> <p>Kleijunas (R5)</p>	<p>FHP</p> <p>FHP, FHTET,</p> <p>FHP, IAT, FHTET</p> <p>PSW Station, IAT, FHTET</p> <p>FHP, IAT</p> <p>FHP, IAT</p> <p>FHP</p> <p>FHP</p> <p>FHP</p>

NEW ZEALAND	Technology transfer and coordination between spray advisor development team and developer and programmer for Spray Safe Manager from New Zealand <i>EA2&3</i>	Thistle (FHTET) Twardus (NA)	FHP
POLAND	Attend IUFRO Root and Butt Rot Working Group meeting and give presentation	Filip (R6)	FHP, IAT
PACIFIC ISLAND COUNTRIES including the Federated States of Micronesia	1. Provide assistance to a non-government foundation for managing mangroves <i>EA2</i>	Ward (R8)	FHP
	2. Provide technical assistance to Island foresters on organization and strategic planning for invasive species control and management <i>EA2</i>	LaRosa (R5)	FHP, IAT
	3. Attend Asia/Pacific Forestry Council meeting in Fiji (March) <i>EA2</i>	Mangold (WO)	FHP
RUSSIA	Continue Far Eastern Ports AGM Monitoring Program 1. Meet with Russian Forest Protection and State Plant Quarantine Inspection Service of Russian Federation officials to renew the Cooperative Agreement and Financial Plan for 2004. 2. Retest new attractant for pink gypsy moth. 3. Port monitoring in 9 ports will continue. 4. Continue funding assistance.	Munson (R) Leonard (R8) Levy (APHIS) Mastro (APHIS) Fussell (APHIS)	FHP, APHIS
SLOVAKIA	Continue to work on proposal to develop a 2-stage model for identifying potential hazard and risk of high-elevation European spruce to <i>Ips typographus</i> <i>EA 3</i>	Negron (RMS) Eager (R2)	FHP, RM Station

GENERAL	<p>1. Coordinate with Canada and Mexico to develop a North American Risk Map. <i>EA 1&3</i></p> <p>2. Participate in Joint Western International Forest Disease and Western Forest Insect Work Conferences (April)</p> <p>3. Continue work on International Activity Team Webpage</p> <p>4. Serve as members of the International Activity Team (IAT)</p> <p>5. Attend North American Forestry Commission, Forest Insect and Disease Study Group.</p> <p>6. Meet with representatives of IP to discuss some of the FHP international activities and explore opportunities for coordination.</p> <p>7. Attend IUFRO working Group meeting on foliage, shoot and stem disease in Corvallis, OR</p> <p>8. Coordinate with IP and UN FAO Regional Office in Asia to support an invasive species coordinator, as well as support invasive species training and work groups on several invasive species in Asia and the southern Pacific. (coconut beetle, eucalyptus rust, <i>EA 2</i></p> <p>9. Serve as U.S. delegate to the United Nations Forum on Forests</p>	<p>Tzack (WO)</p> <p>Various Regions</p> <p>IAT Harrington (WO)</p> <p>Bullard (FHTET) Bennett (R1,4) Ragenovich (R6) Knauer (NA) Ward (R8)</p> <p>Mangold (WO)</p> <p>IAT (Bullard, Ragenovich)</p> <p>Various regions</p> <p>Man (IP) FAO (Durst) Mangold (WO)</p> <p>Samman (WO)</p>	<p>FHP</p> <p>FHP</p> <p>FHP</p> <p>FHP</p> <p>FHP</p> <p>FHP</p> <p>FHP</p> <p>IP FAO FHP</p> <p>FHP</p>